

# Converting Colors

$Yxy(48.4708, 0.4934, 0.4376)$

Have a look what the booklet for  
Yxy(48.4708, 0.4934, 0.4376)  
contains.

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# Color

**Yxy(48.4320, 0.4940, 0.4372)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEA61D
RGB	254, 166, 29
RGB Percent	100%, 65%, 11%
CMY	0.0040, 0.3489, 0.8865
CMYK	0.00, 0.35, 0.89, 0.00
HSL	37°, 99%, 55%
HSV	37°, 89%, 100%
XYZ	54.7242, 48.4320, 7.6215
YIQ	176.6940, 96.4250, -23.9510

# Conversions

## Conversions Part 2

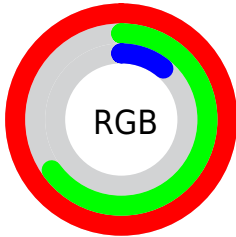
Format	Color
<a href="#">RYB</a>	<a href="#">174, 254, 29</a>
Decimal	<a href="#">16688669</a>
CIELab	<a href="#">75.10, 23.30, 74.64</a>
CIELCh	<a href="#">75, 78.191, 72.662</a>
Yxy	<a href="#">48.4320, 0.4940, 0.4372</a>
Android (android.graphics.Color)	<a href="#">4294878749 (0xFFFEA61D)</a>
YUV	<a href="#">176.6940, -72.8131, 67.7974</a>
Hunter-Lab	<a href="#">69.5931, 18.5746, 42.2220</a>

# Details

The Yxy color **48.4320, 0.4940, 0.4372** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle washed orange. A complement of this color would be **20.1109, 0.1752, 0.1425**, and the grayscale version is **44.1467, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.7282, 0.4227, 0.4518**, and **23.1110, 0.5129, 0.4310** is the 20% darker color. If you saturate the color by 10%, you get **44.8825, 0.5093, 0.4330**, and if you desaturate by 10%, it is **52.3655, 0.4752, 0.4362**.

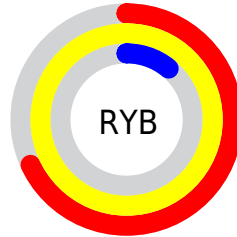
# Distribution



Red (100%)

Green (65%)

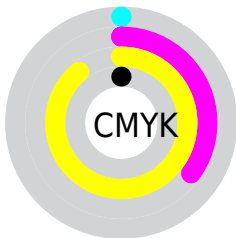
Blue (11%)



Red (68%)

Yellow (100%)

Blue (11%)

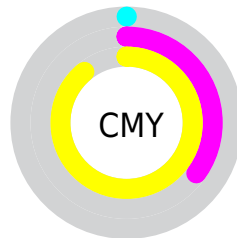


Cyan (0%)

Magenta (35%)

Yellow (89%)

Black (0%)



Cyan (0%)

Magenta (35%)


Yellow (89%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.4320, 0.4940, 0.4372 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 48.4320, 0.4940, 0.4372 by changing the saturation by 10% instead.





 48.4320, 0.4940,  
0.4372

 48.4320, 0.4940,  
0.4372


380.5019, 0.4123,  
0.3972

 34.1691, 0.5095,  
0.4417


 87.8473, 0.4677,  
0.4267


 23.0236, 0.5265,  
0.4446


 113.7684, 0.4567,  
0.4215


 14.6109, 0.5470,  
0.4463


 144.3445, 0.4470,  
0.4166

 8.5468, 0.5624,  
0.4376

 179.9598, 0.4385,  
0.4121

 4.4468, 0.5793,  
0.4207

 220.9989, 0.4308,  
0.4079

 1.9265, 0.6059,  
0.3941

 267.8459, 0.4240,

 0.5642, 0.6677,

0.4040

0.3323

320.8855, 0.4178,  
0.4004

■ 0.0000, 1.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 48.4320, 0.4940,  
0.4372

■ 48.4320, 0.4940,  
0.4372

■ 44.8825, 0.5093,  
0.4330


■ 52.3655, 0.4752,  
0.4362

■ 44.4135, 0.5113,  
0.4322


■ 56.7058, 0.4537,  
0.4300

■ 61.4782, 0.4307,  
0.4196

■ 66.7028, 0.4074,  
0.4060

 72.3976, 0.3848,  
0.3906

 78.5793, 0.3635,  
0.3743

 85.2636, 0.3440,  
0.3580

 92.4650, 0.3264,  
0.3421

99.8064, 0.3121,  
0.3290

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.4320, 0.5210, 0.3638



48.4320, 0.4940, 0.4372



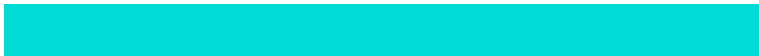
48.4320, 0.4200, 0.5052

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



48.4320, 0.4940, 0.4372



48.4320, 0.1667, 0.3353



48.4320, 0.2690, 0.1936

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



48.4320, 0.4940, 0.4372



20.1109, 0.1752, 0.1425

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



48.4320, 0.1912, 0.1769



48.4320, 0.4940, 0.4372



48.4320, 0.1409, 0.2383

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



48.4320, 0.4940, 0.4372



48.4320, 0.2319, 0.4592



48.4320, 0.1496, 0.1892



48.4320, 0.3769, 0.2352



# Rectangle

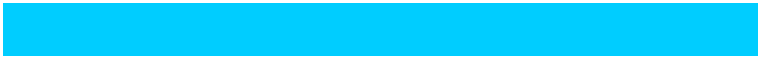
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.4320, 0.4940, 0.4372



48.4320, 0.3577, 0.5293



48.4320, 0.1496, 0.1892



48.4320, 0.2390, 0.1851

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



48.4345, 0.4940, 0.4372



80.3483, 0.3603, 0.3717



23.2725, 0.5102, 0.2660



16.7238, 0.3673, 0.3773



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



48.4345, 0.4940, 0.4372



44.8147, 0.5113, 0.4322



88.0247, 0.4014, 0.5138



19.8289, 0.3279, 0.3435



23.7156, 0.5094, 0.4337



2.5218, 0.4963, 0.4441



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



20.1109, 0.1752, 0.1425



16.2700, 0.1667, 0.1202



8.7448, 0.1604, 0.0712



18.5421, 0.2979, 0.3141



8.7706, 0.1676, 0.1232



1.0590, 0.1738, 0.1456



# Previews

## White Background



This preview shows how the Yxy color 48.4320, 0.4940, 0.4372 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.4320, 0.4940, 0.4372 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 48.4320, 0.4940, 0.4372**

## Background



This preview shows how black text looks on a background with the Yxy color 48.4320, 0.4940, 0.4372.



This preview shows how white text looks on a background with the Yxy color 48.4320, 0.4940, 0.4372.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

48.4320, 0.4940, 0.4372

### Protanopia

48.7886, 0.4347, 0.4805

### Deuteranopia

48.5936, 0.4695, 0.4601



## Tritanopia

48.5409, 0.3975, 0.3187

# Trichromacy



## Original Color

48.4320, 0.4940, 0.4372

## Protanomaly

48.3520, 0.4562, 0.4650

## Deuteranomaly

48.2677, 0.4789, 0.4516

## Tritanomaly

48.0341, 0.4457, 0.3743

# Monochromacy



## Original Color

48.4320, 0.4940, 0.4372

## Achromatopsia

43.9657, 0.3127, 0.3290

## Achromatomaly

44.2963, 0.3868, 0.3921

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.4320, 0.4940, 0.4372 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(254, 166, 29)` looks like.

```
.text, #text, p{  
    color:rgb(254, 166, 29)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(254, 166, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 166, 29) }
```

## Border

The CSS property to change the border of an element to Yxy 48.4320, 0.4940, 0.4372 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(254, 166, 29) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(254, 166, 29) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(254, 166, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 166, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 166, 29);  
box-shadow:4px 4px 4px 4px rgb(254, 166,  
29) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.4320, 0.4940, 0.4372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 166, 29) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(254,  
166, 29) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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